1158-6.

FLUORESCENT LUMINAIRES SKYLUX

(PATENTS APPLIED FOR)

STANDARD FIXTURES for GENERAL FLUORESCENT LIGHTING

by

CURTIS

SKYLUX LUMINAIRES ARE CERTIFIED BY ELECTRICAL TESTING LABORATORIES UNDER STANDARD FLEUR-O-LIER SPECIFICATIONS

SkyLux

CAN BE USED IN MANY WAYS

SkyLux is the answer to the many problems of general fluorescent lighting in stores and offices. It is modern in styling—efficient in light control.

1. OFFICE SPACE—Parallel rows of Twin SkyLux provide high intensity (50 F. C.) of general illumination similar to diffuse daylight in color and quality throughout this clerical space. Each row consists of four standard sections coupled together to form a continuous unit. The rows are eight feet apart (Graybar office, Indianapolis).

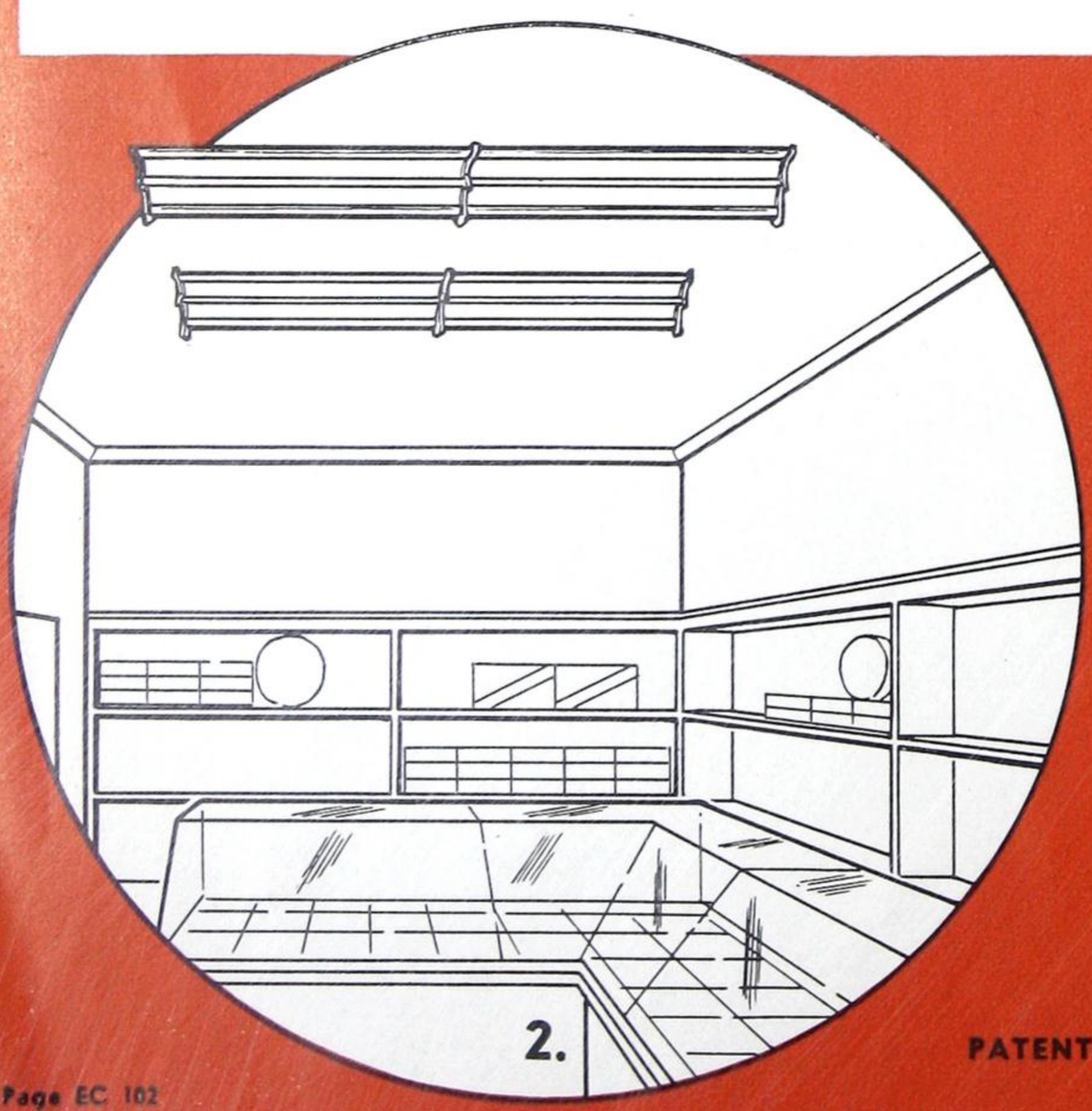
2. CANDY SHOP—Two Twin SkyLux luminaires on 8′ to 12′ spacing provide good selling light for average narrow interiors. One Catalog No. 817 and One No. 818 are coupled together to make up each SkyLux unit.

3. BEAUTY PARLOR—A typical example of a long narrow interior illuminated by a single continuous row of SkyLux sections extending the full length of the shop. They use conventionally placed existing outlets. Cool fluorescent lighting flatters your customers.

4. SHOE STORE—Long lines of Twin SkyLux, mounted flush on beams and ceiling produce a high intensity of general illumination required for quick-turnover merchandising. (Thom McAn Store, Brooklyn, N. Y.)

5. MILLINERY SHOP—An interesting rectangular layout of Twin SkyLux luminaires with Daylight fluorescent lamps supplies high intensity color-true illumination for specialty shops. Each side of the rectangle consists of one No. 817 and three No. 818.

1.



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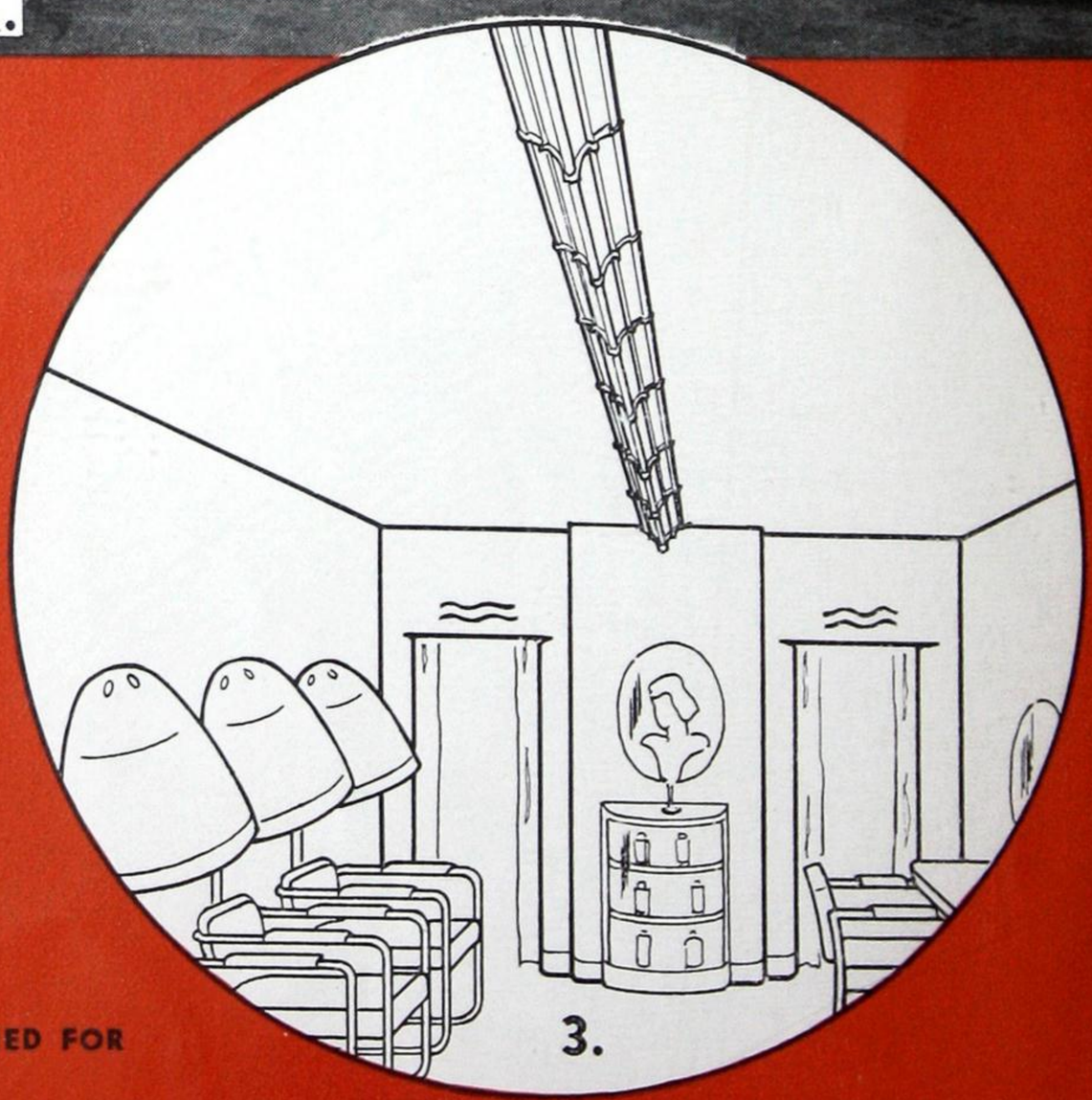
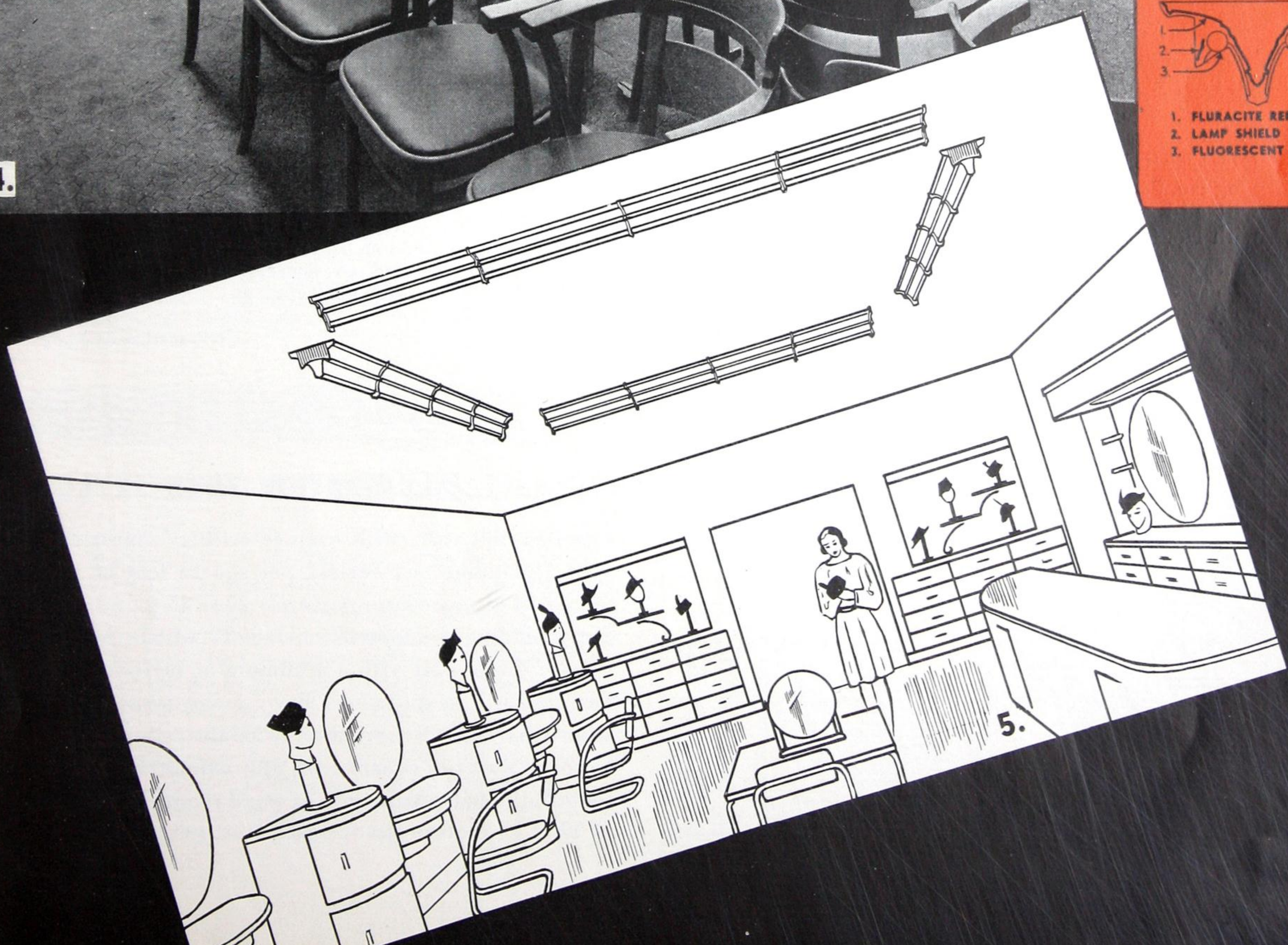


3.

PATENTS APPLIED FOR

4.

1. FLURACITE REFLECTOR
2. LAMP SHIELD
3. FLUORESCENT LAMP



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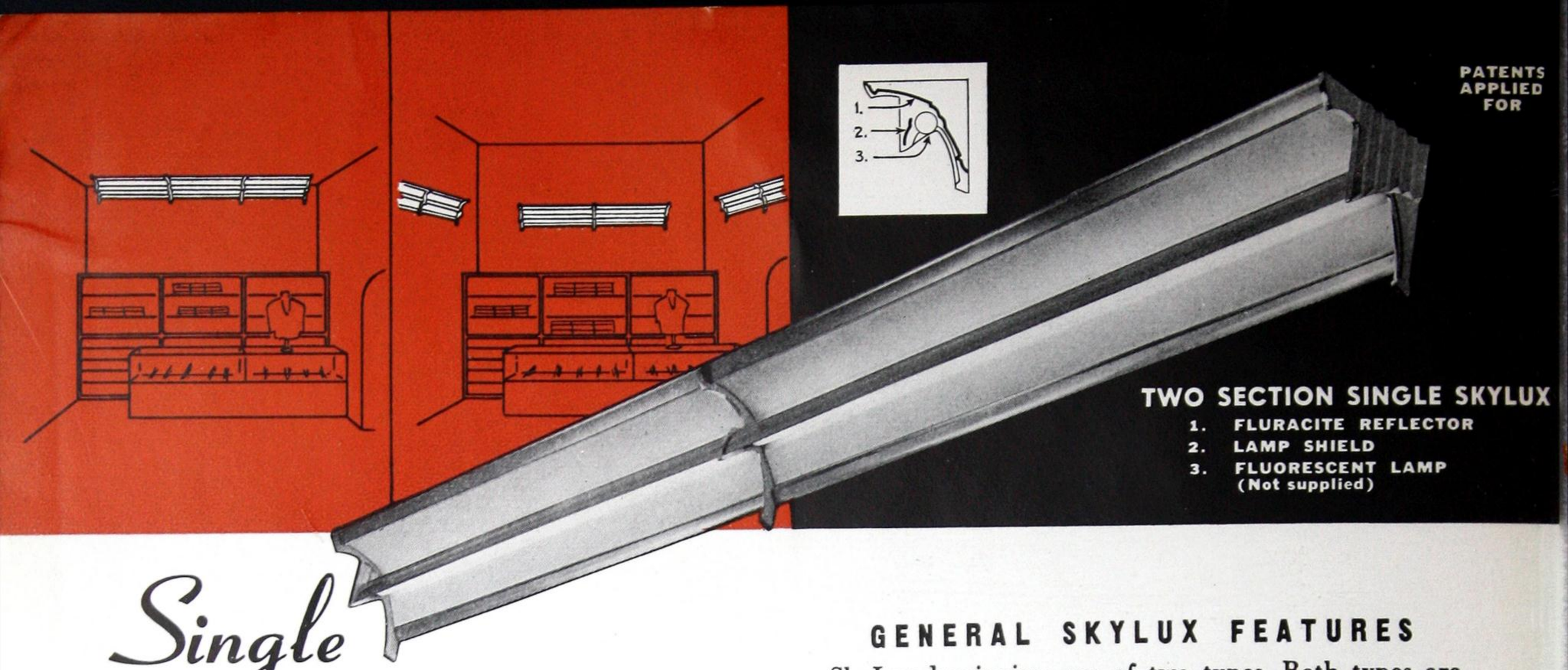


Single

SKYLUX SPECIFICATIONS

Single SkyLux luminaires are for mounting along the right angle juncture of the wall and ceiling or for mounting horizontally on the wall below the ceiling line.

CATALOG No. 815 is the basic Single SkyLux unit. By itself it is a complete fixture approximately 4′ long for one 40-watt T-12 fluorescent lamp, or it may be coupled to any number of Extension Sections to form long continuous fixtures (See coupling diagram on next page.)

CATALOG No. 816 is the Extension Section Single Sky-Lux unit for one 40-watt lamp. Each Extension Section adds approximately 4 feet in length to the continuous fixture. See "How to make continuous runs."

TOTAL WATTS: (with ballast) per section: on 110-125 volts AC is 53 watts. On 220-250 volts AC is 52 watts.

DIMENSIONS: Overall height is 8″, width 7¾″. Catalog No. 815 is 48⅞″ in length and each No. 816 used will add 48½″ to the total length when assembled with No. 815.

Above Catalog Nos. cover assembled units unwired and less wire, control equipment, lamps and starters, but will include lamp sockets and starter sockets. Units will be supplied wired if specified. Give voltage and frequency requirements.

GENERAL SKYLUX FEATURES

SkyLux luminaires are of two types. Both types are for use with the 4 foot 40-watt fluorescent lamp. The Single SkyLux is cataloged at left and is for one 40-watt lamp per section. The Twin SkyLux is cataloged at right and is for two 40-watt lamps per section.

FINISH IS FLURACITE, BRASS AND ALUMINUM

(Reflectors are snow-white Fluracite; top and bottom mouldings and lamp shield have a brushed golden brass finish; end plates are cast aluminum.)

REFLECTING SURFACE is Fluracite on steel. This reflecting surface is a synthetic material, glossy white and mineral-hard, discovered by Curtis after extensive research—especially developed to maintain, and not distort, the color value of the fluorescent lamp. Fluracite possesses unusually high reflectivity and is easily cleaned with soap and water.

Note: Alzak reflectors furnished, if desired. See price list.

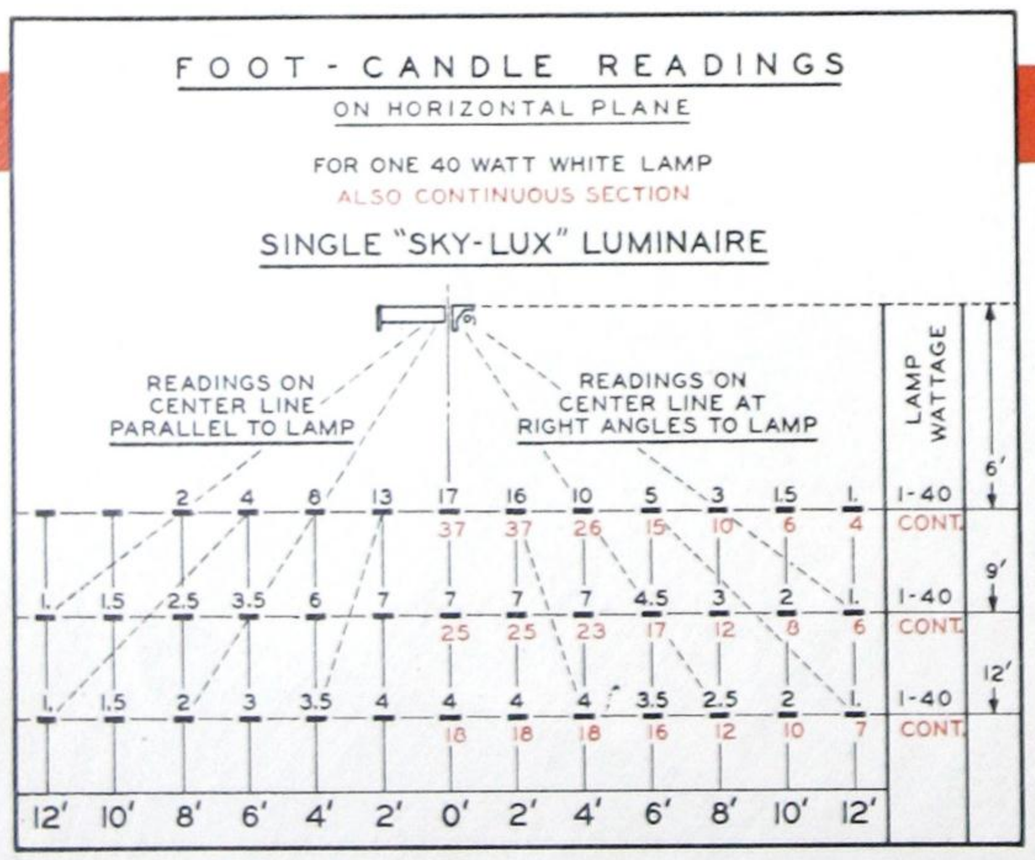
AUXILIARIES AND WIRING

Starter Sockets are furnished and provision has been made for housing the fluorescent lamp auxiliaries (ballast and starting compensator or capacitor) inside the unit, but SkyLux is normally furnished less auxiliaries and wire. These should be purchased along with the lamps and replaceable starter plugs from the regular source of electrical supply.

MOUNTING

SkyLux may be attached directly to ceiling by use of toggle bolts or screws or suspended on hangers (Twin SkyLux only) Catalog No. 623 (See Page EC-106).

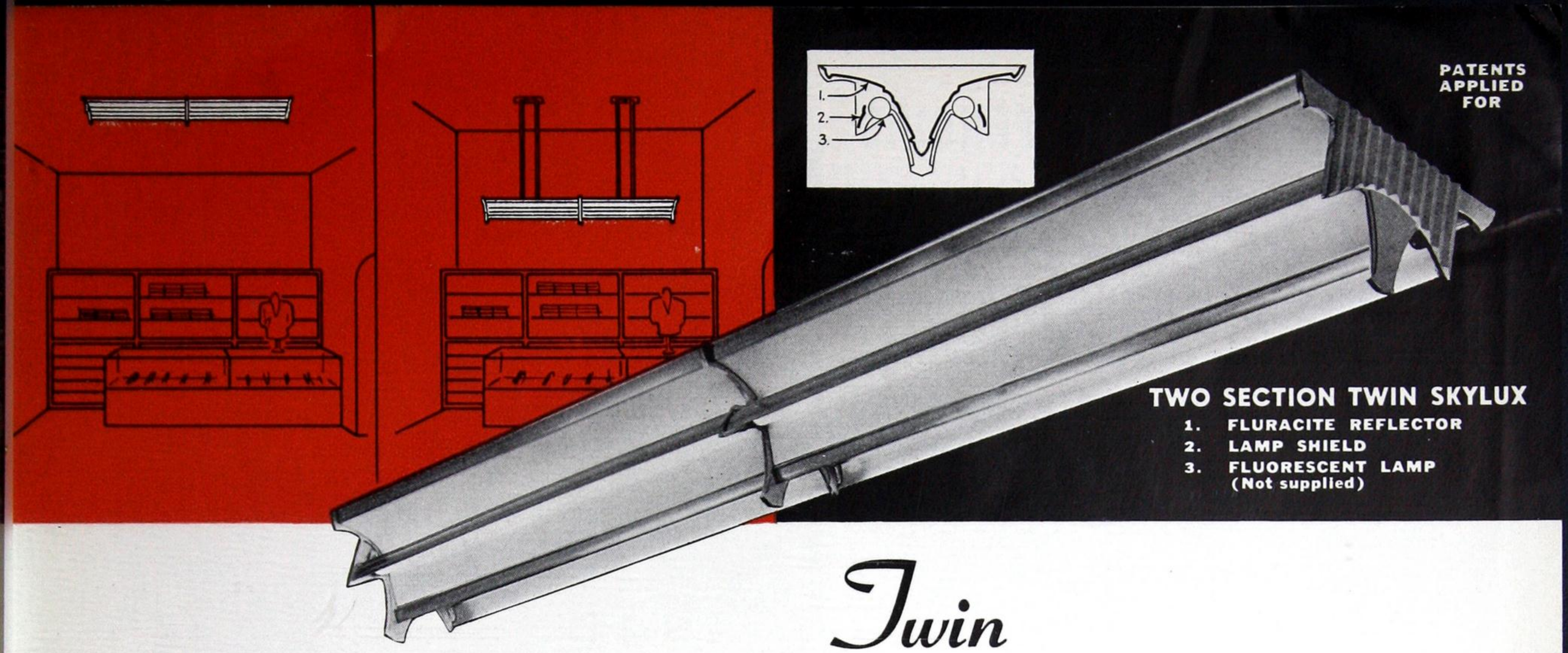
Continued on next page



FOOT-CANDLE INTENSITIES

OVERALL ILLUMINATION WITH SKYLUX

For large interiors with average ceiling heights each watt (including auxiliaries) per square foot of floor area, will produce approximately 20 to 25 footcandles, not including a depreciation factor; which, for this type of direct unit with a minimum of surface to collect dust, will be quite low. For average general areas, where the width is more than twice the ceiling height, for each watt per square foot, approximately 15 to 20 footcandles will result, and for small rooms, an average of 12 to 15 footcandles for each watt per square foot.



Twin SKYLUX SPECIFICATIONS

Twin SkyLux luminaires are for mounting on ceiling or for suspension on hangers.

CATALOG No. 817 is the basic Twin SkyLux unit. By itself it is a complete fixture approximately 4′ long for two 40-watt T-12 fluorescent lamps—or it may be coupled to any number of Extension Sections to form long continuous fixtures. (See Coupling Diagram at left.)

CATALOG No. 818 is the Extension Section Twin SkyLux unit for two 40-watt lamps. Each Extension Section adds approximately 4 feet in length to the continuous fixture. See "How to make continuous runs."

TOTAL WATTS (including Two-lamp ballast) per section: on 110-125 volts AC is 97½ watts on 220-250 volts AC is 94½ watts.

DIMENSIONS: Overall height, 8"; width, 15⅜". Catalog No. 817 is 48⅞" in length and each No. 818 used will add 48½" to the total length when assembled with No. 817.

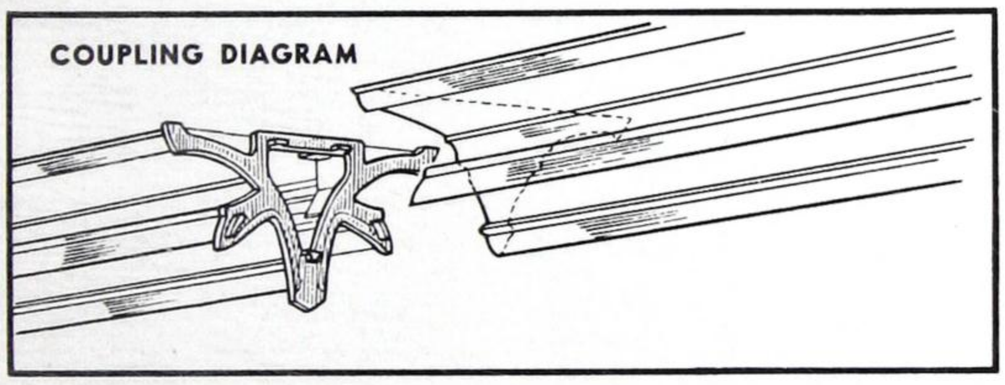
Above Catalog Nos. cover assembled units unwired and less wire, control equipment, lamps and starters, but will include lamp sockets and starter sockets. Units will be supplied wired if specified. Give voltage and frequency requirements.

BEARS UNDERWRITERS LABEL

SkyLux units are listed by Underwriters Laboratories, Inc., under Label Service.

HOW TO MAKE CONTINUOUS RUNS

SkyLux can be made up into continuous fixtures with any number of sections. This is accomplished by coupling Extension Sections to the Basic unit. (See diagram). Each Extension Section contains the same parts as the corresponding Basic unit except that in place of the two decorative end plates, it has one

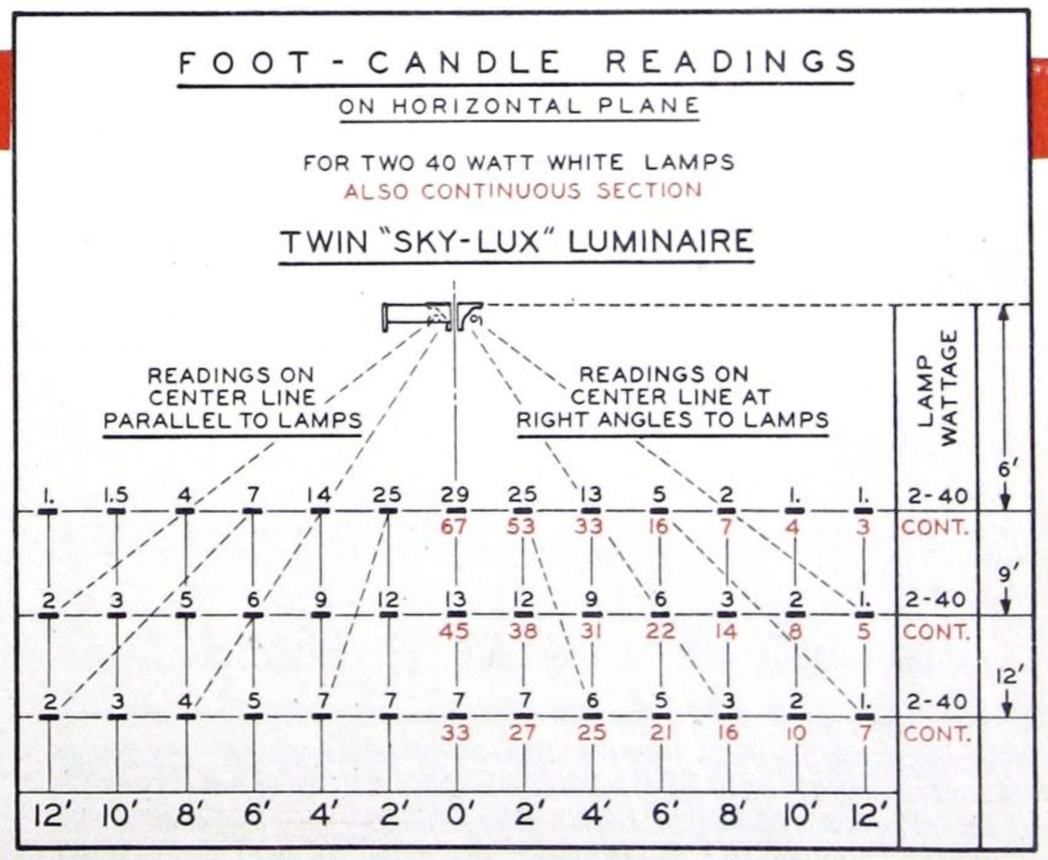


intermediary casting. This intermediary casting permits coupling two sections together. (See Diagram). To join, one end plate is removed from the Basic unit and the Extension Section is coupled on by means of the intermediary casting. Additional Extension Sections may be added, to required length. And at the end of the run the removed end plate is used to complete the fixture.

DELIVERED BY SKYLUX

THE FOOTCANDLE CHARTS

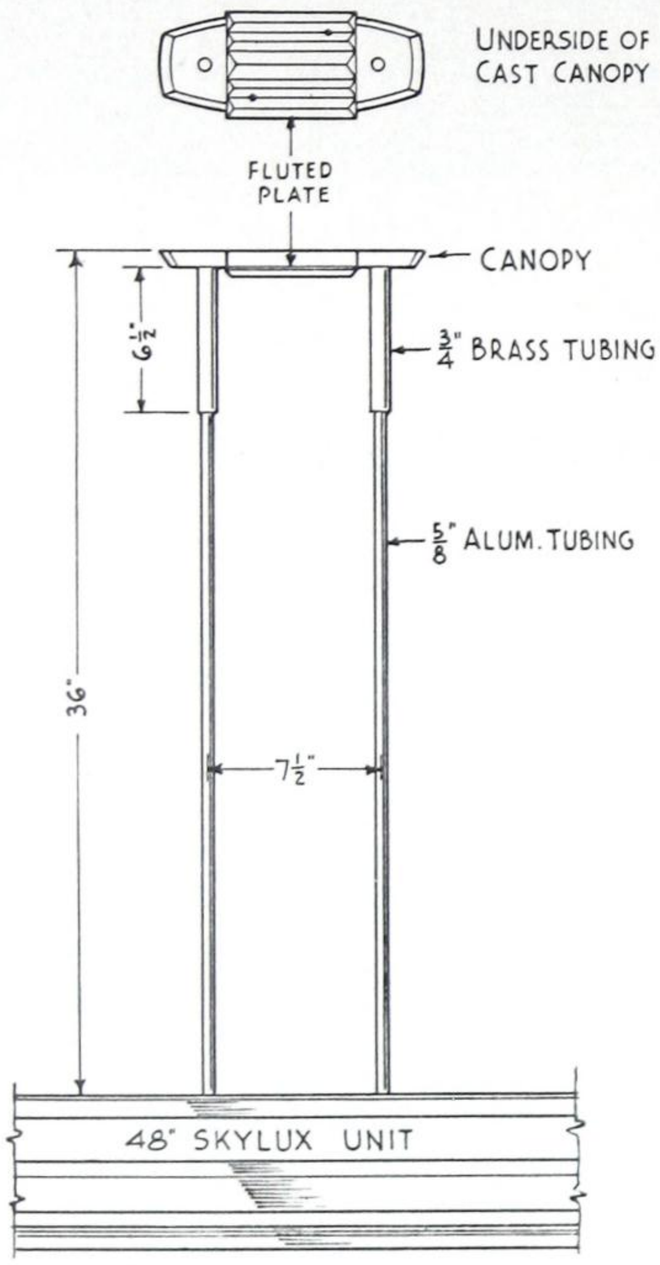
The amount of light under SkyLux can be readily determined from the footcandle charts. The chart at the left is for Single SkyLux, that at the right is for Twin SkyLux. The footcandle values have been compiled from extensive tests on units mounted on a fairly light ceiling, and are based on lamps of 2000 lumens each. The values for a continuous section are for SkyLux units end to end and the length of the section is such that additional sections would not increase the reading at the test point. The values below the end of a continuous section (at a right angle to the channel center line) will be one-half the values for the continuous section. The distances in the diagram are to scale. This makes it easy to interpolate for various mounting heights, distances or angles.



HANGERS FOR SUSPENDING

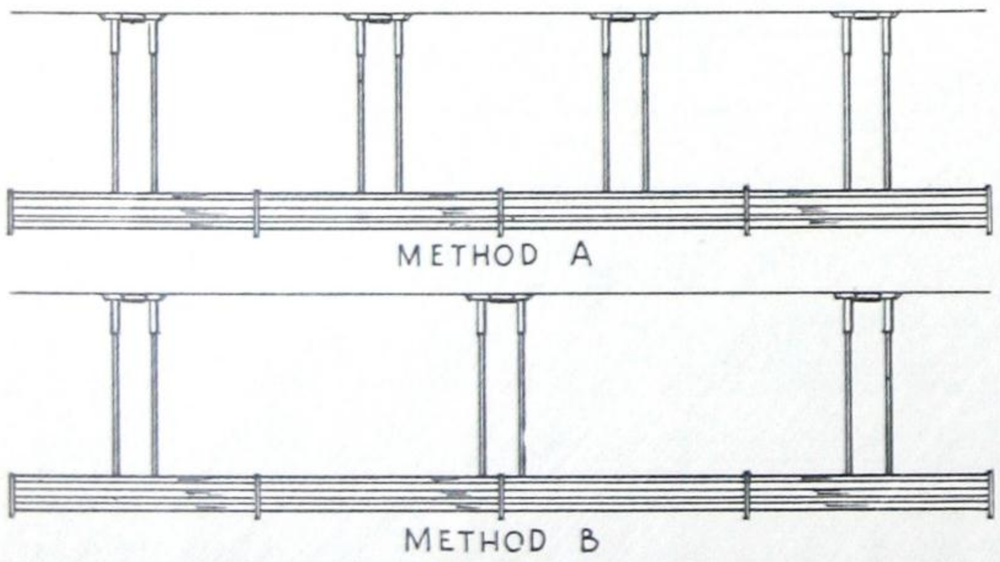
Twin SkyLux

When ceilings are higher than 12 or 14 feet it is recommended that hangers be used to suspend Twin SkyLux at a desirable height above the working or sales level. Both appearance and light delivery (See footcandle charts, page EC-104) should be considered.



STANDARD SKYLUX HANGER IS CATALOG No. 623

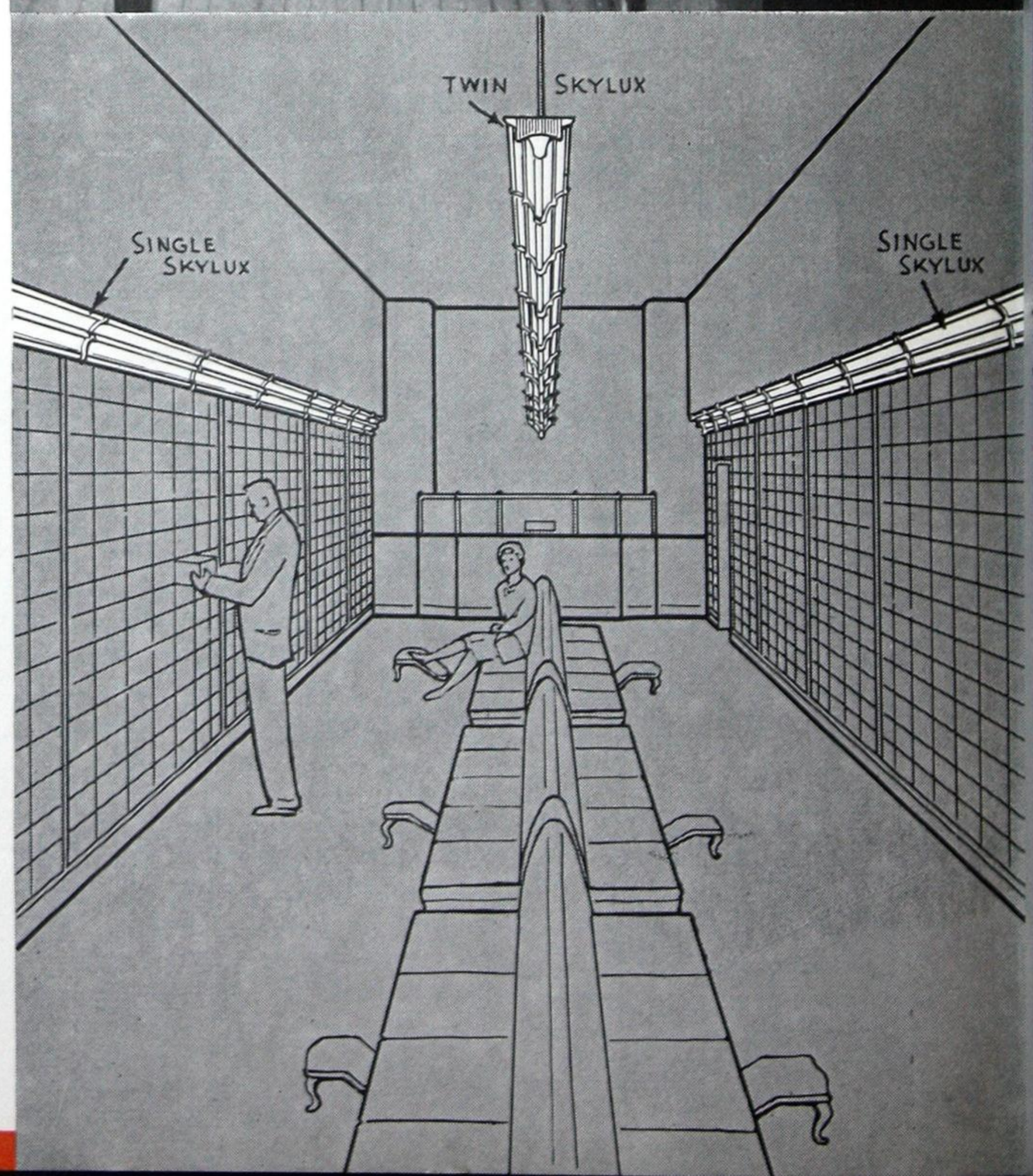
FINISH: Aluminum and Golden Brass. The aluminum stems conceal ¼" iron pipe which attaches to SkyLux by means of locknuts through knockouts provided for this purpose. These stems can be readily shortened by cutting off the iron pipe at the top and rethreading with standard thread, the aluminum sleeves being shortened a like amount. If SkyLux must be suspended more than 36" from ceiling, longer hangers are available. Write for information.



NUMBER OF HANGERS TO ORDER

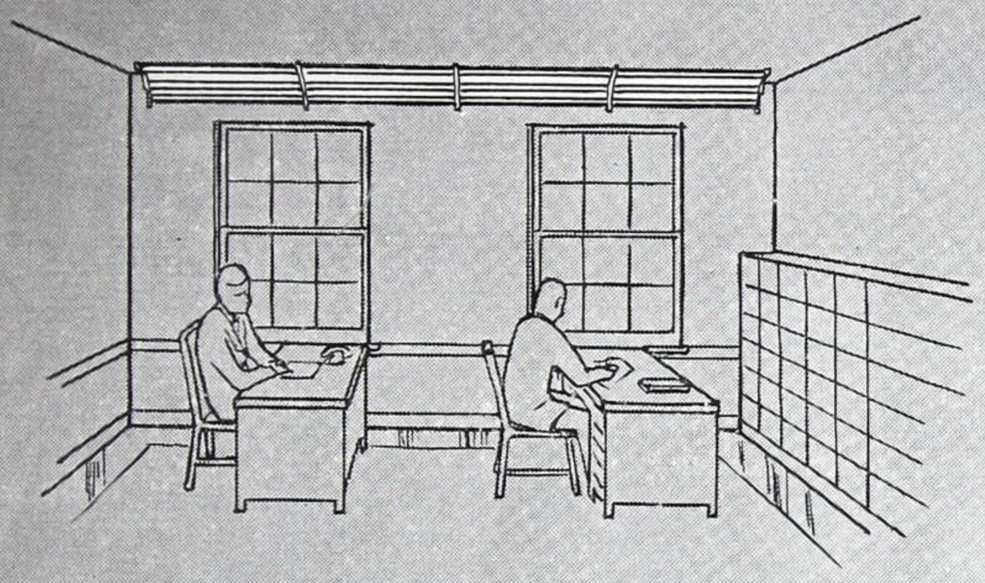
All one, two, and three section luminaires will require one hanger for each section. Luminaires of more than three sections must have hangers spaced never more than 6 feet apart. Hangers can be attached either through the center set of knockouts provided (Example A) or through the pair formed by joining two sections. (Example B.)

Note how the ceiling above each suspended SkyLux unit is illuminated by light from adjacent units. In rooms with only one row of SkyLux, the ceiling directly above the unit will be in shadow. If not otherwise illuminated, ceiling lighting can easily be provided by two sections of Fluorescent LightStrip with 15-watt lamps mounted on top of the SkyLux. Write for information.

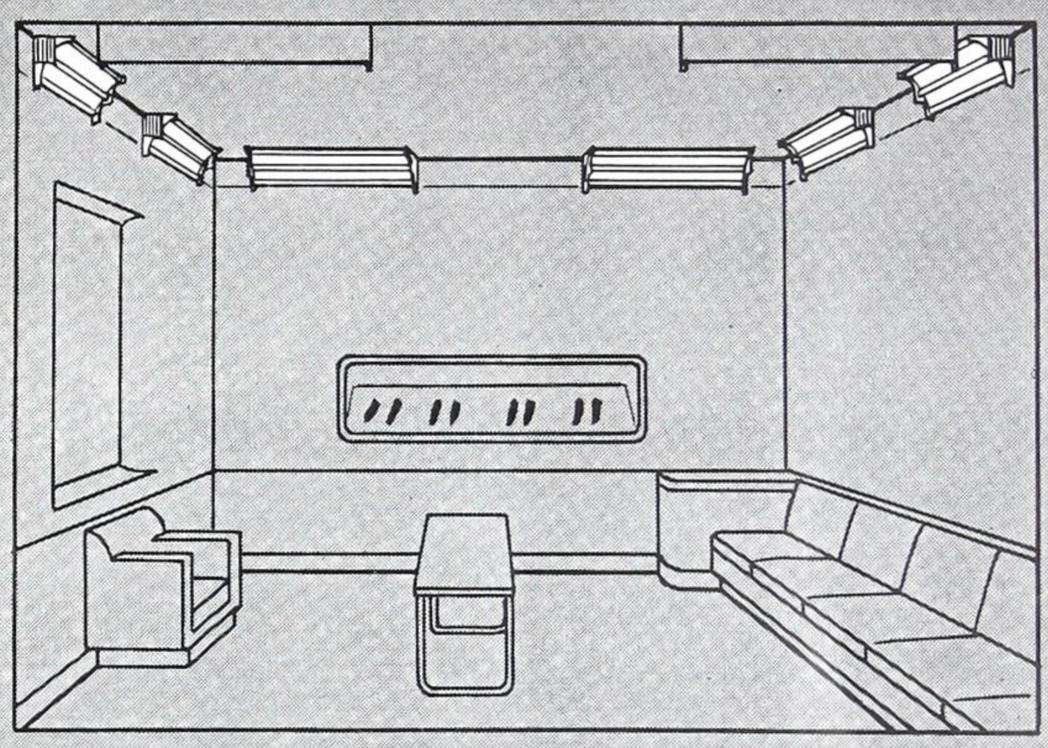


VARIOUS EFFICIENT APPLICATIONS OF *SkyLux* IN STORES AND OFFICES

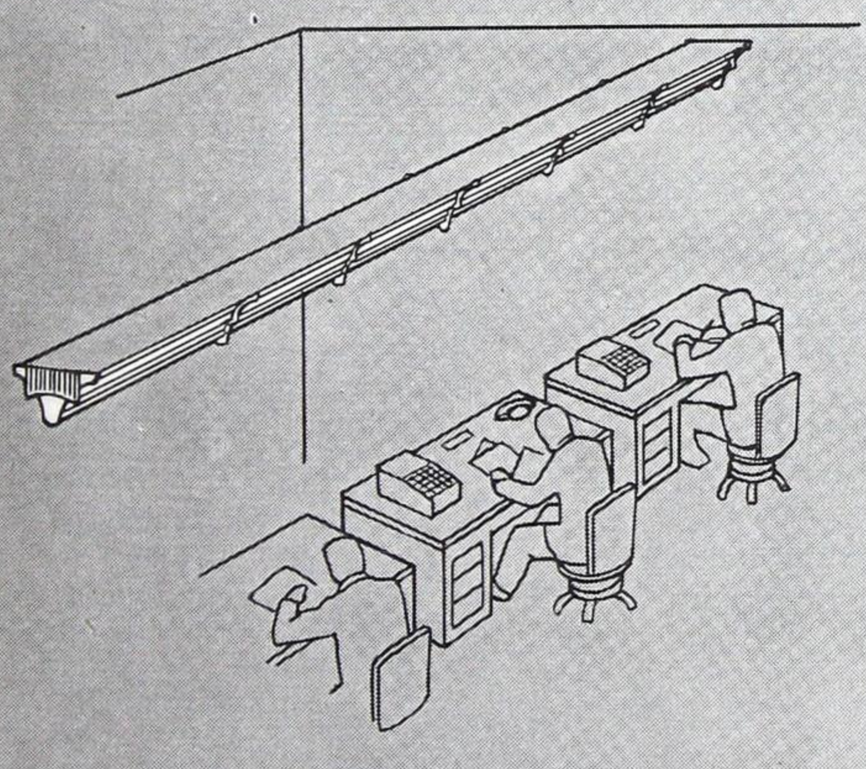
A. Over windows in small office.

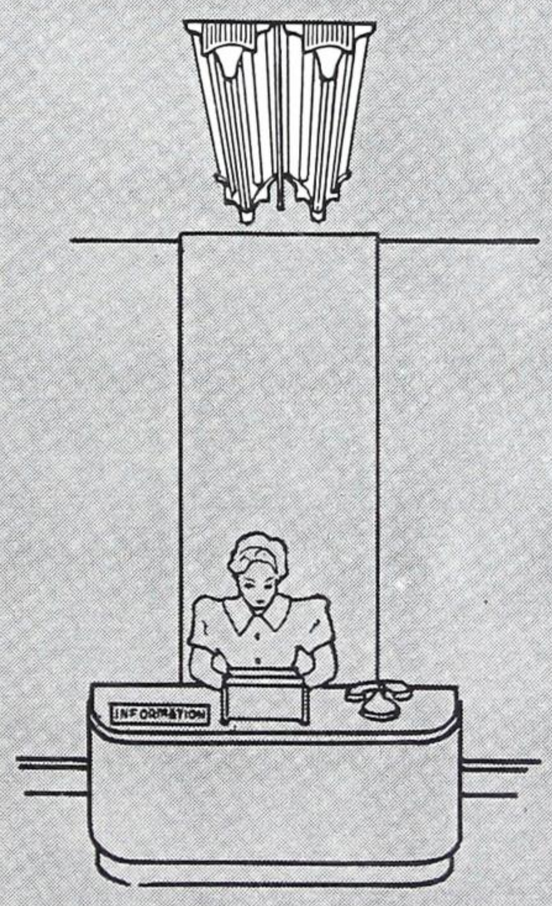


C. Shop or department in large store.

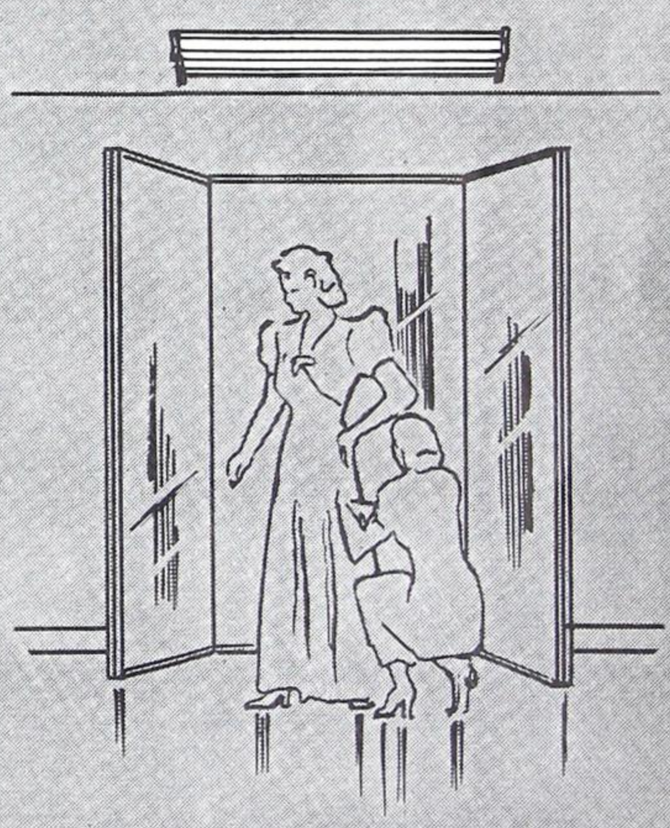


B. Directly above bookkeeping desks.





D. Reception office.



E. Fitting room.

A. One No. 815 and three No. 816 SkyLux luminaires used across 18-foot wide office.

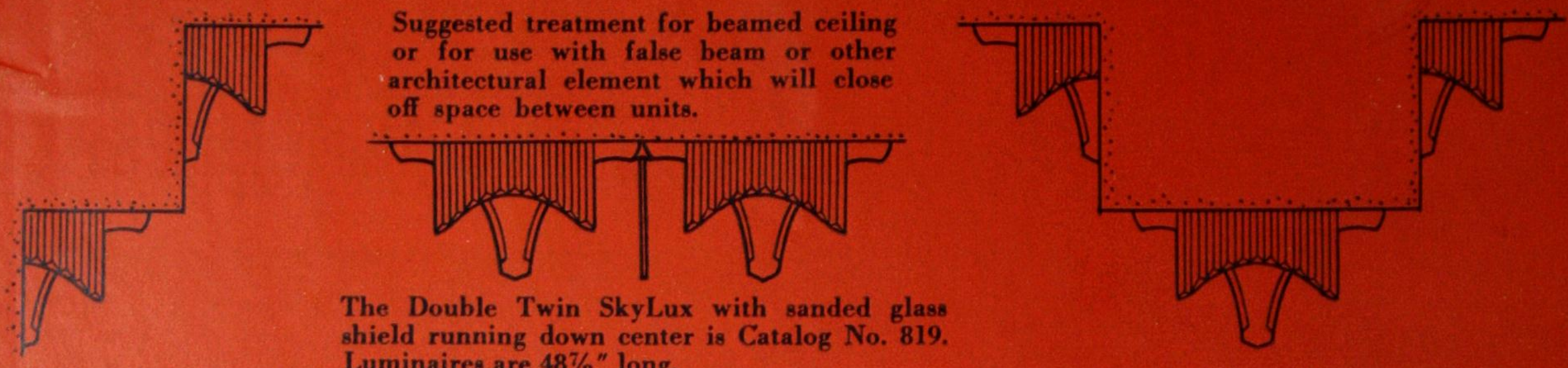
B. One No. 817 Basic unit and five No. 818 Extension Sections used to extend this linear luminaire over the row of desks.

C. Eight No. 815 Single SkyLux luminaires each using one 48″ lamp mounted at cornice near corners of shop interior.

D. Two Twin SkyLux luminaires are mounted parallel and separated by a panel of sanded glass. The complete unit is Catalog No. 819.

E. This 48″ Twin SkyLux unit is mounted on ceiling above fitting area at correct distance from mirror to prevent direct or reflected glare. In cases where ceiling is high, suspending hangers should be used.

SUGGESTED SKYLUX COMBINATION

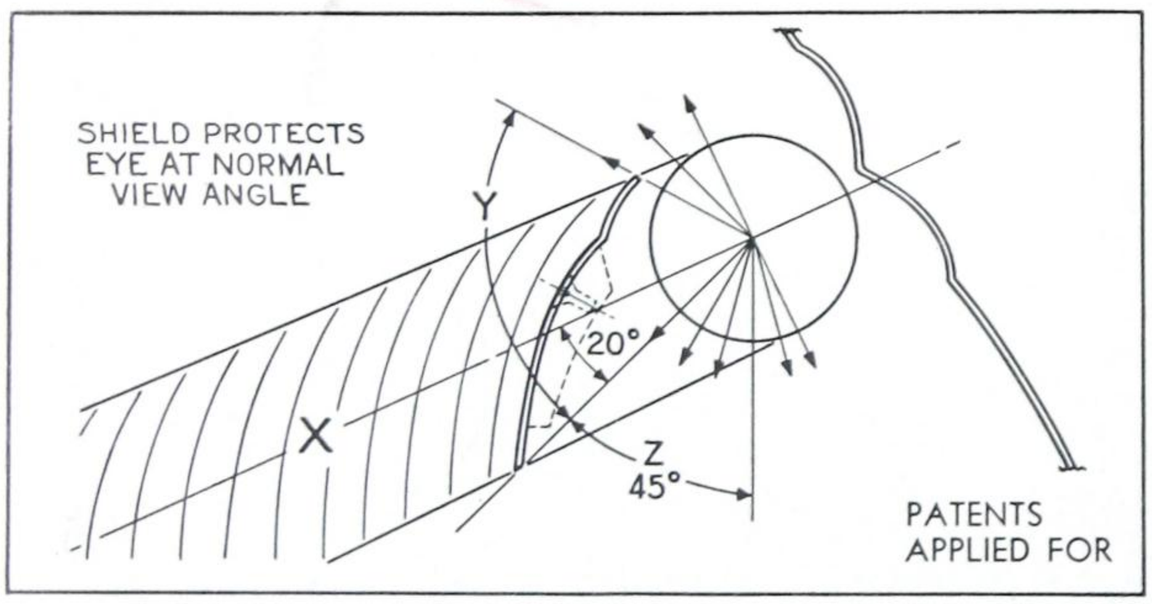


Suggested treatment for beamed ceiling or for use with false beam or other architectural element which will close off space between units.

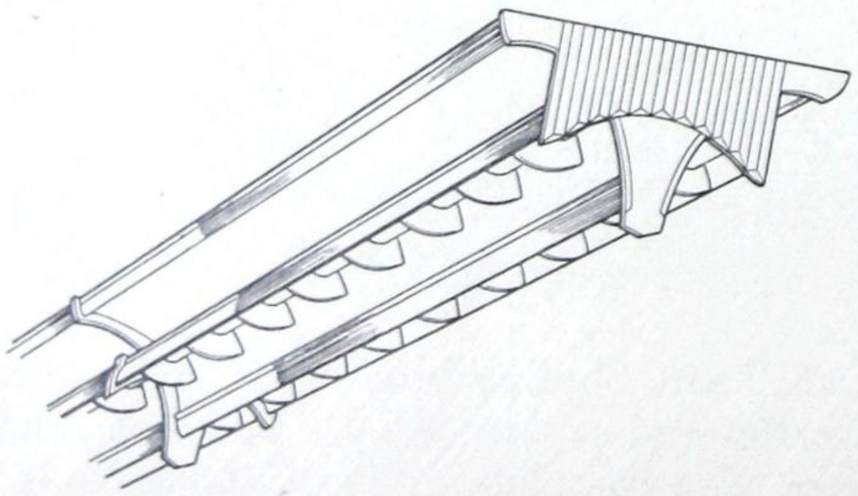
The Double Twin SkyLux with sanded glass shield running down center is Catalog No. 819. Luminaires are 48⅞" long.

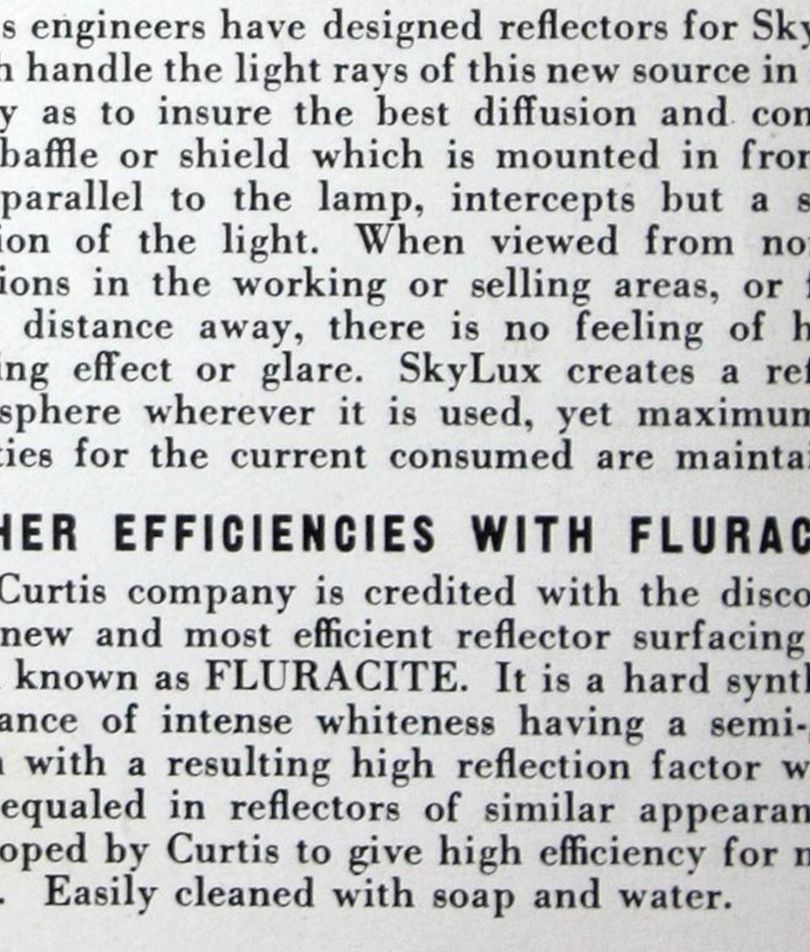
SkyLux HAS SHIELDED LAMPS

Although fluorescent lamps have a much lower brightness factor than high wattage incandescent lamps, it is necessary to shield bare lamps to prevent glare and garish effects. Curtis Lighting still adheres to its regular practice of Lighting from Concealed Sources. SkyLux provides what might be termed "refined fluorescent lighting." The source is concealed, yet maximum light output is insured through careful engineering in the construction of the SkyLux luminaire.



ACCESSORY LOUVER FINS. Where it is desired to shield the lamps from being viewed lengthwise in addition to the crosswise shielding regularly provided, small louver fins may be ordered separately. Cat. No. 12402 includes louvers and bar frame with clips for attaching to lamp shield. One Cat. No. 12402 required per lamp.





SKYLUX LUMINAIRES bear the label of the Fluer-o-lier Manufacturers.

SCIENTIFIC DESIGN

Curtis engineers have designed reflectors for SkyLux which handle the light rays of this new source in such a way as to insure the best diffusion and control. The baffle or shield which is mounted in front of and parallel to the lamp, intercepts but a small fraction of the light. When viewed from normal positions in the working or selling areas, or from some distance away, there is no feeling of harsh lighting effect or glare. SkyLux creates a refined atmosphere wherever it is used, yet maximum intensities for the current consumed are maintained.

HIGHER EFFICIENCIES WITH FLURACITE

The Curtis company is credited with the discovery of a new and most efficient reflector surfacing material known as FLURACITE. It is a hard synthetic substance of intense whiteness having a semi-gloss sheen with a resulting high reflection factor which is unequaled in reflectors of similar appearance—developed by Curtis to give high efficiency for many years. Easily cleaned with soap and water.

Serial 1035

Printed in U.S.A.

Curtis Lighting

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NEW YORK **TORONTO**

Representatives in all principal cities